

Patent claims

1. A delivery unit, with a baffle, with a fuel pump arranged therein and with a radial-onflow filter which is arranged on the bottom of the baffle and which is formed by shaped elements projecting axially from the bottom of the baffle, so that an axially running gap is formed in each case between two adjacent shaped elements in each case, and which surrounds an inlet port arranged in the bottom of the baffle, characterized in that at least one region (12) for throughflow is arranged perpendicularly to the gaps (11, 11a, 11b) and perpendicularly to the throughflow direction, and in that the at least one region (12) connects at least two adjacent gaps (11, 11a, 11b).
2. The delivery unit as claimed in claim 1, characterized in that the regions (12) for throughflow are formed by at least one, preferably three, standing elements (8) arranged on the bottom (7) of the baffle (5) and having a greater axial length than the shaped elements (10).
3. The delivery unit as claimed in claim 1 or 2, characterized in that the regions (12) for throughflow are formed by shaped elements (10) with different axial lengths.
4. The delivery unit as claimed in at least one of claims 1 to 3, characterized in that the shaped elements (8) are arranged in a plurality of rows lying one behind the other in the throughflow direction.

5. The delivery unit as claimed in at least one of claims 1 to 3, characterized in that the shaped elements (10) of equal axial length are arranged in a row.
6. The delivery unit as claimed in at least one of the preceding claims, characterized in that the shaped elements (10) of the radially outer row possess a smaller axial length than the shaped elements (8) of the radially inner rows.
7. The delivery unit as claimed in one of the preceding claims, characterized in that the axially running gaps (11, 11a, 11b) between the shaped elements (10) possess different lengths and widths.
8. The delivery unit as claimed in one of the preceding claims, characterized in that the shaped elements (10) are arranged in segments (15) on the bottom (7) of the baffle (5).
9. The delivery unit as claimed in claim 8, characterized in that the segments (15) are arranged releasably on the bottom (7) of the baffle (5).
10. The delivery unit as claimed in claim 8, characterized in that the segments (15) are shaped in one piece on the baffle (5).
11. The delivery unit as claimed in one of claims 8 to 10, characterized in that the distance between two adjacent segments (15) is no greater than the distance of the shaped elements (10) from one another.

12. The delivery unit as claimed in one of claims 8 to 11, characterized in that the segments (15) are arranged in a plurality of rows in the throughflow direction.
13. The delivery unit as claimed in one of the preceding claims, characterized in that the shaped elements (10) are arranged circularly.
14. The delivery unit as claimed in one of the preceding claims 1-12, characterized in that the shaped elements (10) are arranged in the form of a polygon.